

What is claimed is:

1. A device for transmitting torque between two rotatable, coaxial shaft members (2, 4), the device comprising a number of alternate clutch discs (5, 6), connected to the two shaft members and engageable to counteract differential rotational speed between the shaft members, and braking means (26-28) for braking rotational movement, the rotational velocity in the braking means being proportional to said differential rotational speed, characterized in that means for transmitting said differential rotational speed to the braking means (26-28) comprises a number of balls (12) arranged between on one hand a rotatable, first thrust ring (11) and a second thrust ring (13) attached to one of the shaft members (2) and on the other hand an outer ring (24) fixed to a housing (1) of the device and a gear ring (25) engaging a rotatable brake shaft (26) of the braking means (26-28).
2. A device according to claim 1, characterized in that the balls (12) are arranged between oblique surfaces facing each other of the two thrust rings (11, 13), the fixed outer ring (24), and the gear ring (25).
3. A device according to claim 2, characterized in that the rotatable, first thrust ring (11) is biased by a compression spring (8) for keeping the balls (12) engaged with the oblique surfaces of the four rings (11, 13, 24, 25).
4. A device according to claim 3, characterized in that the axial force from the clutch discs (5, 6) is transmitted to and via the balls (12).
5. A device according to claim 1, characterized in that the balls (12) are arranged in a circumferential ball holder (12').